Performance (In an ambient temperature of 25 -30 C)

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of 12.00 Volts
With a circuit resistance 0.000 Ohms

AT No Load
  Speed : 5310 Rpm
  Current: 2.500 Amp

At stall (Extrapolated)
  Torque : 2420.395 m-Nm
  Current: 131.227 Amp

At maximum efficiency
  Efficiency : 65.99 %
  Torque : 293.557 m-Nm
  Speed : 4666 Rpm
  Current: 18.113 Amp
  Output : 143.438 Watts

At maximum power
  Torque : 1210.197 m-Nm
  Speed : 2655 Rpm
  Current: 66.864 Amp
  Output : 336.472 Watts

Characteristics
  Torque Constant : 18.803 m-Nm/Amp
  E.M.F Constant : 18.803 mV/rad/sec
  Dy. Resistance   : 0.091 Ohms
  Motor Regulation: 2.194 Rpm/m-Nm

Calculation
  At Torque Level:
    Torque: 451.260 m-Nm Torque: m-Nm
    Speed: 4320 Rpm   Speed: Rpm
    Current: 26.500 Amp Current: Amp
    Efficiency: 64.20 % Efficiency: %
    Output: 204.145 Watts Output: Watts

Performance and characteristics are measured based on limited motor sample only